8

0.25 wt %.

## **CLAIMS**

1.

	1.
1	A mold for a glassware forming machine that comprises austenitic (type D5) Ni-
2	Resist ductile iron having a magnesium content in the range of 0.01 to 0.04 wt %, a sulphur
3	content in the amount of 0.00 to 0.01 wt %, and a titanium content in the amount of 0.01 to 0.25
4	wt %.
	2.
1	A mold for a glassware forming machine that is of austenitic Ni-Resist ductile
2	iron with a microstructure having an appreciable amount of compacted graphite and consists
3	essentially of carbon in the amount of 1.50 to 2.40 wt %, silicon in the amount of 1.00 to 2.80
4	wt %, manganese in the amount of 0.05 to 1.00 wt %, phosphorus in the amount of 0.00 to 0.08
5	wt %, nickel in the amount of 34.0 to 36.0 wt %, chromium in the amount of 0.00 to 0.10 wt %,
6	molybdenum in the amount of 0.00 to 0.80 wt %, manganese in the amount of 0.01 to 0.06 wt
7	%, sulphur in the amount of 0.00 to 0.01 wt %, titanium in the amount of 0.01 to 0.25 wt %, and
8	balance iron.
	3.
1	The mold set forth in claim 2 wherein at least 40% of the graphite in said
2	microstructure is compacted graphite.
	4.
1	A method of making a mold for a glassware forming machine that comprises the
2	steps of:
3	(a) casting the mold of an austenitic Type D5 Ni-Resist ductile iron according
4	to ASTM-A439-84, and
5	(b) selectively controlling thermal conductivity of the mold during said step
6	(a) by selectively controlling magnesium content of the mold in the range of 0.01 to 0.04 wt %
7	sulphur content in the range of 0.00 to 0.01 wt %, and titanium content in the range of 0.01 to